

Counterweight Loading Table

(last updated 15/09/2021)

The following table contains the approximate number of weights required to balance various items of stage equipment that are commonly flown on the counterweight system. **The following table is a guide only – all bars should be tested to be in weight before being flown to grid.**

Each weight in the cradle is 10kg, but counterbalances 5kg worth of force on the bar.

Each bar is loaded with three weights to balance the weight of the barrel itself and connected metal wires. A cradle loaded with three weights is said to be at '**Base**'. All numbers below describe weights in addition to Base. This is often referred to as 'Base + X', where X is the number of weights required to balance the item rigged to the bar.

Item	Weights
Base	3
Set & Cloths	
Blinder	+7
Border	+2
Leg (x1)	+2
Split Black (x1)	+3
White Cyc	+3
Housetabs and tab rack	+20
Barrel & chains	+4
Lighting	
Internally Wired Bar (IWB)	+2
PAR64	+1/2
ETC Source 4 LED Lustr S2	+2
Altman Spectra CYC 200	+1
ETC Colorsource PAR	+1
Selecon Rama 150mm	+1
Strand Patt 243	+3
CCT Starlette	+1